

PC CARD ASSEMBLY

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ABSTRACT

A PC card assembly including a printed circuit board assembly (PCBA) and an associated two-piece housing made up of a frame-like body and a top cover. The PCBA includes a printed circuit board (PCB) and a connector that is attached to one end of the PCB. The frame-like body includes parallel side rails and an end rail formed with a step-like mounting structure that includes a peripheral shelf for supporting at least two edges of the PCB, and several alignment protrusions that extend from inside portions of the side rails onto the shelf that engage with alignment notches formed in the PCB during the assembly process. Depressions are formed in top and bottom walls for receiving ICs mounted on the PCB. The frame-like body defines an optional longitudinal slot for slidably receiving the PCB. A top cover is either ultrasonically welded or snap-coupled onto the frame-like body.